

# Mechanical Pipettes

## MicroPette plus

121°C  
HALF  
Autoclavable

### Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- The pipettes cover the volume range from 0.1µL to 10mL
- Easy calibration and maintenance
- Manufactured from innovative materials
- Each MicroPette Plus supplied with an individual calibration certificate according to ISO8655



## MicroPette plus multi-channel

121°C  
FULLY  
Autoclavable

### Features

- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly allow for easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands

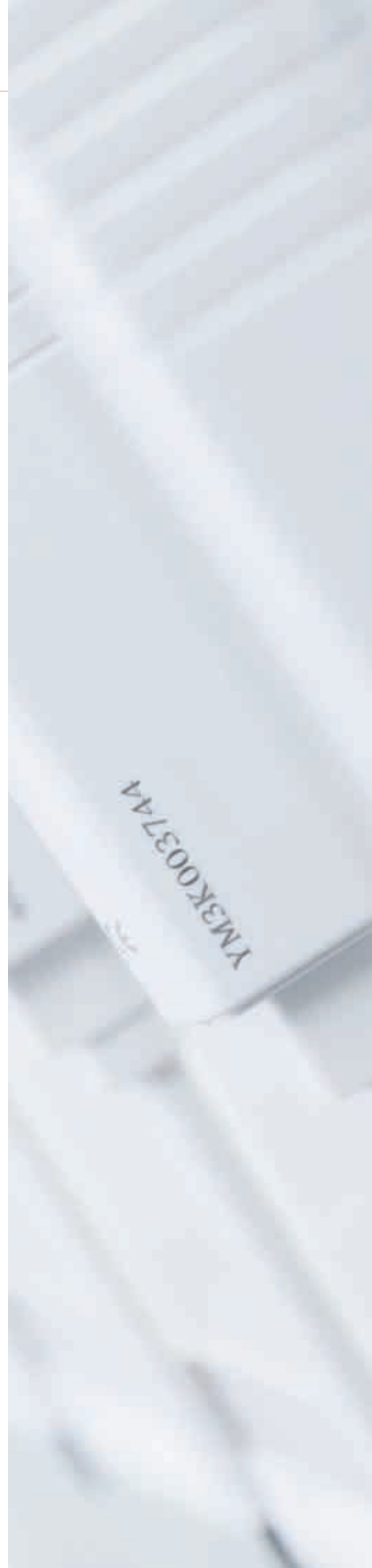
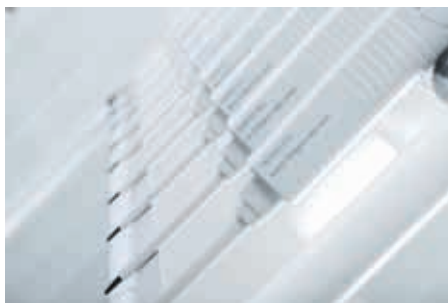




### Fully autoclavable

The MicroPette Plus pipettes are fully autoclavable, enable easy cleaning and reduce the risk of contamination. Steam autoclaving can be performed at 121°C, 1 bar for 20 minutes. After autoclaving, the pipette must be cooled down and left to dry for 12 hours before use.

It is recommended to check the performance of the pipette after each autoclaving. Greasing and sealing of the pipette piston after every 10th autoclaving will secure an enhanced function.



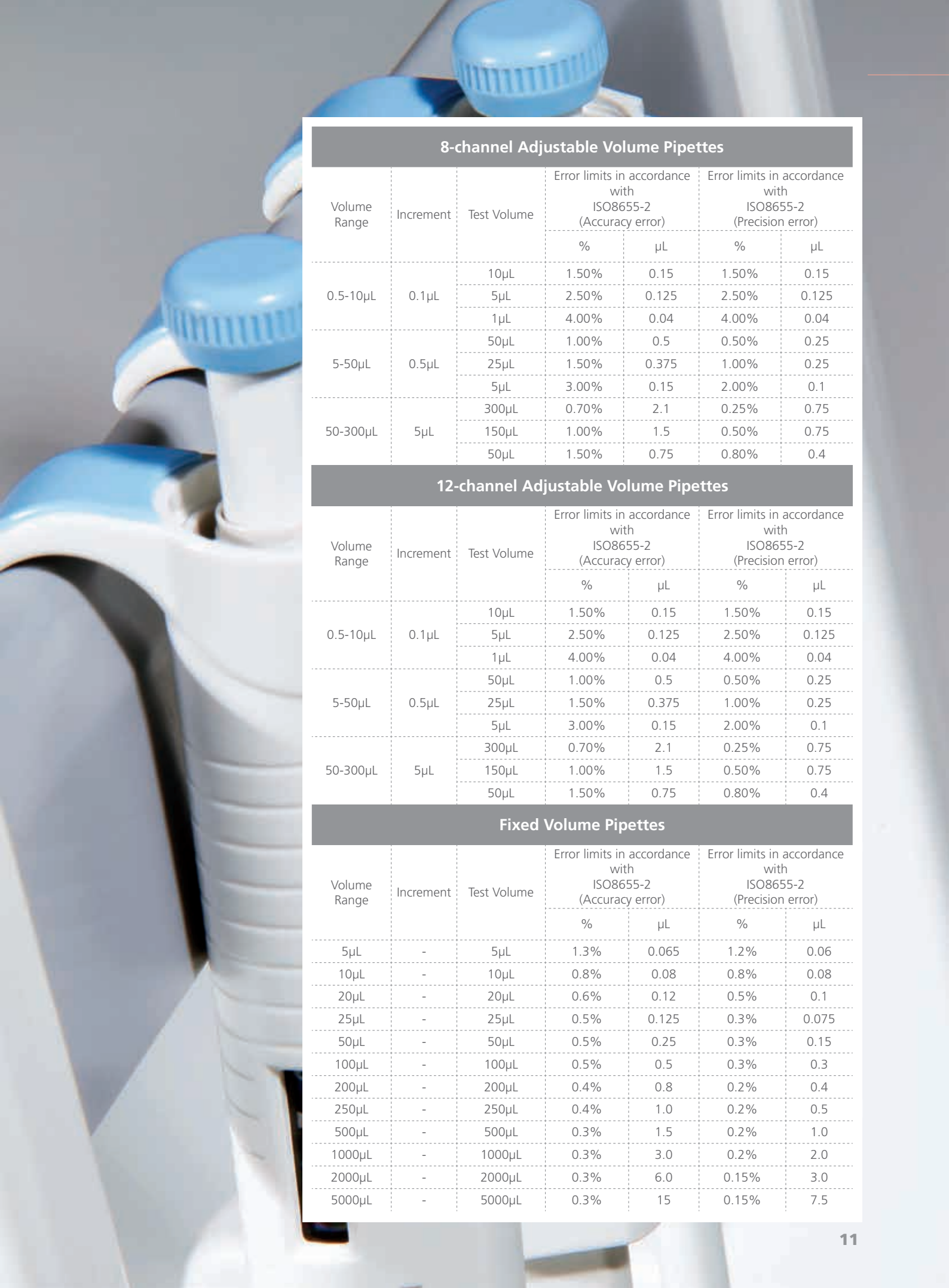
# Mechanical Pipette Volume Selection

## Specifications

This list is appropriate for MicroPette and MicroPette plus  
(Adjustable and Fixed volume)

### Single-channel Adjustable Volume Pipettes

| Volume Range | Increment | Test Volume | Error limits in accordance with<br>ISO8655-2<br>(Accuracy error) |        | Error limits in accordance with<br>ISO8655-2<br>(Precision error) |        |
|--------------|-----------|-------------|------------------------------------------------------------------|--------|-------------------------------------------------------------------|--------|
|              |           |             | %                                                                | µL     | %                                                                 | µL     |
| 0.1-2.5µL    | 0.05µL    | 2.5µL       | 2.50%                                                            | 0.0625 | 2.00%                                                             | 0.05   |
|              |           | 1.25µL      | 3.00%                                                            | 0.0375 | 3.00%                                                             | 0.0375 |
|              |           | 0.25µL      | 12.00%                                                           | 0.03   | 6.00%                                                             | 0.015  |
| 0.5-10µL     | 0.1µL     | 10µL        | 1.00%                                                            | 0.1    | 0.80%                                                             | 0.08   |
|              |           | 5µL         | 1.50%                                                            | 0.075  | 1.50%                                                             | 0.075  |
|              |           | 1µL         | 2.50%                                                            | 0.025  | 1.50%                                                             | 0.015  |
| 2-20µL       | 0.5µL     | 20µL        | 0.90%                                                            | 0.18   | 0.40%                                                             | 0.08   |
|              |           | 10µL        | 1.20%                                                            | 0.12   | 1.00%                                                             | 0.1    |
|              |           | 2µL         | 3.00%                                                            | 0.06   | 2.00%                                                             | 0.04   |
| 5-50µL       | 0.5µL     | 50µL        | 0.60%                                                            | 0.3    | 0.30%                                                             | 0.15   |
|              |           | 25µL        | 0.90%                                                            | 0.225  | 0.60%                                                             | 0.15   |
|              |           | 5µL         | 2.00%                                                            | 0.1    | 2.00%                                                             | 0.1    |
| 10-100µL     | 1µL       | 100µL       | 0.80%                                                            | 0.8    | 0.15%                                                             | 0.15   |
|              |           | 50µL        | 1.00%                                                            | 0.5    | 0.40%                                                             | 0.2    |
|              |           | 10µL        | 3.00%                                                            | 0.3    | 1.50%                                                             | 0.15   |
| 20-200µL     | 1µL       | 200µL       | 0.60%                                                            | 1.2    | 0.15%                                                             | 0.3    |
|              |           | 100µL       | 0.80%                                                            | 0.8    | 0.30%                                                             | 0.3    |
|              |           | 20µL        | 3.00%                                                            | 0.6    | 1.00%                                                             | 0.2    |
| 50-200µL     | 1µL       | 200µL       | 0.60%                                                            | 1.2    | 0.15%                                                             | 0.3    |
|              |           | 100µL       | 0.80%                                                            | 0.8    | 0.30%                                                             | 0.3    |
|              |           | 50µL        | 1.00%                                                            | 0.5    | 0.40%                                                             | 0.2    |
| 100-1000µL   | 5µL       | 1000µL      | 0.60%                                                            | 6      | 0.20%                                                             | 2      |
|              |           | 500µL       | 0.70%                                                            | 3.5    | 0.25%                                                             | 1.25   |
|              |           | 100µL       | 2.00%                                                            | 2      | 0.70%                                                             | 0.7    |
| 200-1000µL   | 5µL       | 1000µL      | 0.60%                                                            | 6      | 0.20%                                                             | 2      |
|              |           | 500µL       | 0.70%                                                            | 3.5    | 0.25%                                                             | 1.25   |
|              |           | 200µL       | 0.90%                                                            | 1.8    | 0.30%                                                             | 0.6    |
| 1000-5000µL  | 50µL      | 5000µL      | 0.50%                                                            | 25     | 0.15%                                                             | 7.5    |
|              |           | 2500µL      | 0.60%                                                            | 15     | 0.30%                                                             | 7.5    |
|              |           | 1000µL      | 0.70%                                                            | 7      | 0.30%                                                             | 3      |
| 2-10mL       | 0.1mL     | 10mL        | 0.60%                                                            | 60     | 0.20%                                                             | 20     |
|              |           | 5mL         | 1.20%                                                            | 60     | 0.30%                                                             | 15     |
|              |           | 2mL         | 3.00%                                                            | 60     | 0.60%                                                             | 12     |



### 8-channel Adjustable Volume Pipettes

| Volume Range | Increment | Test Volume | Error limits in accordance with ISO8655-2 (Accuracy error) |       | Error limits in accordance with ISO8655-2 (Precision error) |       |
|--------------|-----------|-------------|------------------------------------------------------------|-------|-------------------------------------------------------------|-------|
|              |           |             | %                                                          | µL    | %                                                           | µL    |
| 0.5-10µL     | 0.1µL     | 10µL        | 1.50%                                                      | 0.15  | 1.50%                                                       | 0.15  |
|              |           | 5µL         | 2.50%                                                      | 0.125 | 2.50%                                                       | 0.125 |
|              |           | 1µL         | 4.00%                                                      | 0.04  | 4.00%                                                       | 0.04  |
| 5-50µL       | 0.5µL     | 50µL        | 1.00%                                                      | 0.5   | 0.50%                                                       | 0.25  |
|              |           | 25µL        | 1.50%                                                      | 0.375 | 1.00%                                                       | 0.25  |
|              |           | 5µL         | 3.00%                                                      | 0.15  | 2.00%                                                       | 0.1   |
| 50-300µL     | 5µL       | 300µL       | 0.70%                                                      | 2.1   | 0.25%                                                       | 0.75  |
|              |           | 150µL       | 1.00%                                                      | 1.5   | 0.50%                                                       | 0.75  |
|              |           | 50µL        | 1.50%                                                      | 0.75  | 0.80%                                                       | 0.4   |

### 12-channel Adjustable Volume Pipettes

| Volume Range | Increment | Test Volume | Error limits in accordance with ISO8655-2 (Accuracy error) |       | Error limits in accordance with ISO8655-2 (Precision error) |       |
|--------------|-----------|-------------|------------------------------------------------------------|-------|-------------------------------------------------------------|-------|
|              |           |             | %                                                          | µL    | %                                                           | µL    |
| 0.5-10µL     | 0.1µL     | 10µL        | 1.50%                                                      | 0.15  | 1.50%                                                       | 0.15  |
|              |           | 5µL         | 2.50%                                                      | 0.125 | 2.50%                                                       | 0.125 |
|              |           | 1µL         | 4.00%                                                      | 0.04  | 4.00%                                                       | 0.04  |
| 5-50µL       | 0.5µL     | 50µL        | 1.00%                                                      | 0.5   | 0.50%                                                       | 0.25  |
|              |           | 25µL        | 1.50%                                                      | 0.375 | 1.00%                                                       | 0.25  |
|              |           | 5µL         | 3.00%                                                      | 0.15  | 2.00%                                                       | 0.1   |
| 50-300µL     | 5µL       | 300µL       | 0.70%                                                      | 2.1   | 0.25%                                                       | 0.75  |
|              |           | 150µL       | 1.00%                                                      | 1.5   | 0.50%                                                       | 0.75  |
|              |           | 50µL        | 1.50%                                                      | 0.75  | 0.80%                                                       | 0.4   |

### Fixed Volume Pipettes

| Volume Range | Increment | Test Volume | Error limits in accordance with ISO8655-2 (Accuracy error) |       | Error limits in accordance with ISO8655-2 (Precision error) |       |
|--------------|-----------|-------------|------------------------------------------------------------|-------|-------------------------------------------------------------|-------|
|              |           |             | %                                                          | µL    | %                                                           | µL    |
| 5µL          | -         | 5µL         | 1.3%                                                       | 0.065 | 1.2%                                                        | 0.06  |
| 10µL         | -         | 10µL        | 0.8%                                                       | 0.08  | 0.8%                                                        | 0.08  |
| 20µL         | -         | 20µL        | 0.6%                                                       | 0.12  | 0.5%                                                        | 0.1   |
| 25µL         | -         | 25µL        | 0.5%                                                       | 0.125 | 0.3%                                                        | 0.075 |
| 50µL         | -         | 50µL        | 0.5%                                                       | 0.25  | 0.3%                                                        | 0.15  |
| 100µL        | -         | 100µL       | 0.5%                                                       | 0.5   | 0.3%                                                        | 0.3   |
| 200µL        | -         | 200µL       | 0.4%                                                       | 0.8   | 0.2%                                                        | 0.4   |
| 250µL        | -         | 250µL       | 0.4%                                                       | 1.0   | 0.2%                                                        | 0.5   |
| 500µL        | -         | 500µL       | 0.3%                                                       | 1.5   | 0.2%                                                        | 1.0   |
| 1000µL       | -         | 1000µL      | 0.3%                                                       | 3.0   | 0.2%                                                        | 2.0   |
| 2000µL       | -         | 2000µL      | 0.3%                                                       | 6.0   | 0.15%                                                       | 3.0   |
| 5000µL       | -         | 5000µL      | 0.3%                                                       | 15    | 0.15%                                                       | 7.5   |



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