

9. Disperse the cells into a single cell suspension by pipetting repeatedly.
10. Count and seed the cells into fresh medium.

Osmolality in mOsm/Kg H₂O

290.00 -330.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Quality Control:

Appearance

Colorless, clear solution.

pH

. -07. 0

Cell Dissociation Test

Maximum time required for complete dissociation of cells grown in T12.5 culture flask at 70 – 80% confluence:

JWXGC < 7 min

CJQC < 5 min

Cell lines tested:

| Cell line | Culture Medium | EnVzyme™ Easy | |
|-----------|----------------------|--------------------------|-----------------------|
| | | Approx. complete (min.)* | time for dissociation |
| BHK-21 | MEM + 10% FBS | 3 – 4 | |
| CHO K1 | MEM + 10% FBS | 2 – 3 | |
| L929 | DMEM + 10% FBS | 1 – 2 | |
| HEK293 | DMEM + 10% FBS | 1 – 2 | |
| WJ-MSK | MSK expansion medium | 1 – 2 | |

* These are the approximate values of time required for complete dissociation of cells grown in T12.5 culture flask at 70 – 80% confluence. The duration may slightly vary depending on the culture vessel used, cell density (or the confluence) and time since last subculture.

Comparison of cell dissociation reagents:

| Specifications | EnVzyme™ Easy / EnVzyme™ Super | Trypsin / Trypsin-EDTA | Accutase® | ZymeFree™ |
|---|--------------------------------|------------------------|---------------|---------------------------------|
| Origin | Vegetable origin (Non-animal) | Animal origin | Animal origin | Chemically defined (Non-animal) |
| Storage | 2 – 8°C | -20°C | -20°C | 2 – 8°C |
| Inhibition required | Not required | Trypsin inhibitor | Not required | Not required |
| Activity at temperature | 37°C | 37°C | 37°C | 37°C |
| Compatibility with serum-free cultures | Compatible | Compatible | Compatible | Compatible |
| Compatibility with stem cells and primary cells | Under test | Compatible | Compatible | - |

Storage and Shelf Life:

Shipping temperature: Ambient

Store at 2 – 8°C on receipt away from bright light.

Use before expiry date given on the product label.

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Disclaimer:

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