

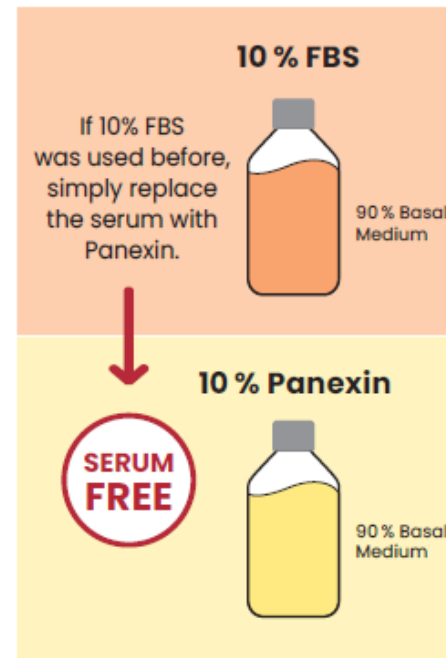
PANEXIN CD QUICK START GUIDE



REDEFINING CELL CULTURE THE SMART WAY TO REPLACE SERUM

SERUM-FREE MADE SIMPLE

Panexin enables a smooth transition from **serum-containing to serum-free cell culture**. Simply replace your FBS with Panexin while maintaining your basal medium.



/ KEY ADVANTAGES:

- Ready-to-use serum replacement.
- Consistent composition for reproducible results.
- Supports a wide range of adherent and suspension cell lines.
- chemically defined
- 0 % animal-derived components
- Customized formulations on request
- GMP-compliant formulations on request

/ GENERAL HANDLING:

- Panexin can be stored and handled in the same way as serum.
- Thaw Panexin at max. 37 °C and avoid repeated freeze-thaw cycles.
- Recommended inoculation cell density:
 - **non-adherent cells:** 50,000 – 100,000 cells/ml
 - **adherent cells:** 5,000 – 20,000 cells/cm²

- If needed: optimize the Panexin concentration or adjust the basal medium for improved performance.

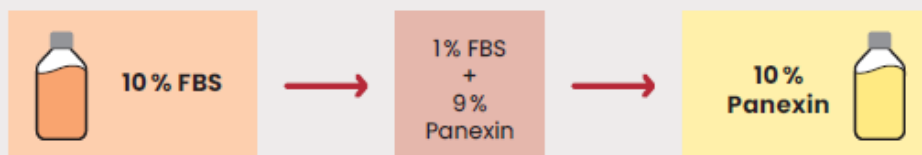
! **IMPORTANT:** If Trypsin is used to detach adherent cells it needs to be inactivated with Trypsin inhibitor (1 ml inhibitor per 1 ml Trypsin), Accutase does not need to be inhibited.

/ STEPS FOR A SUCCESSFUL TRANSITION:

- Use vital cells harvested in the logarithmic growth phase.
- Confirm morphology and growth before proceeding.
- Passage at about 90 % confluence.
- 2 to 3 passages each step.
- **NOTE:** Cell morphology may change as the number of passages increases. Sensitive cell lines may require up to 7 – 10 passages to establish a stable culture.

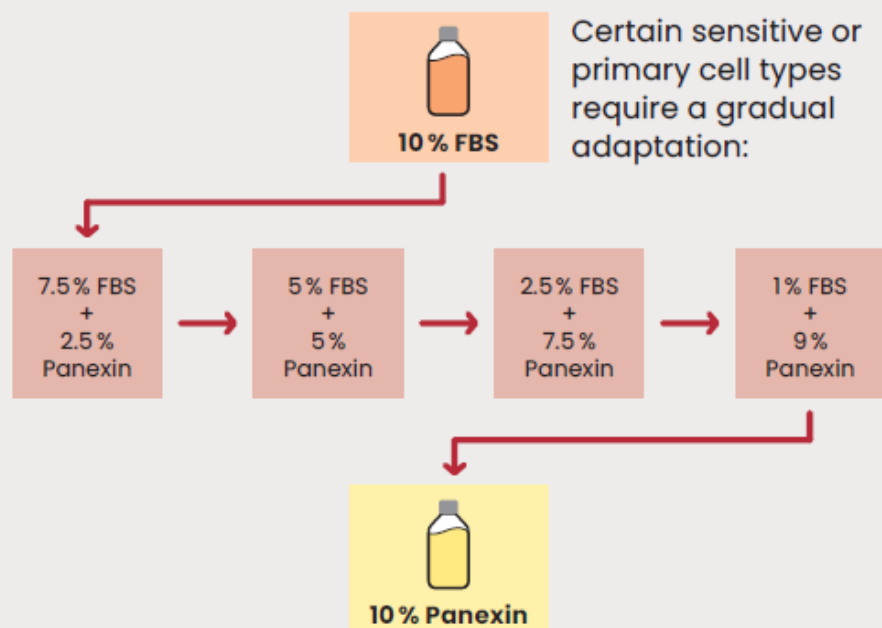
1. DIRECT TRANSITION:

For some cell lines, it is possible to switch directly from 10 % FBS to 10 % Panexin.



In most cases, a short adaptation step (e.g., 1 % FBS + 9 % Panexin) improves success rates:

2. INDIRECT TRANSITION:



This stepwise reduction of FBS concentration has been proven to ensure stable growth and viability.