

# PrimaFeed Medium

Chemically-defined Medium for Primary Tumor Cells



## Information Sheet

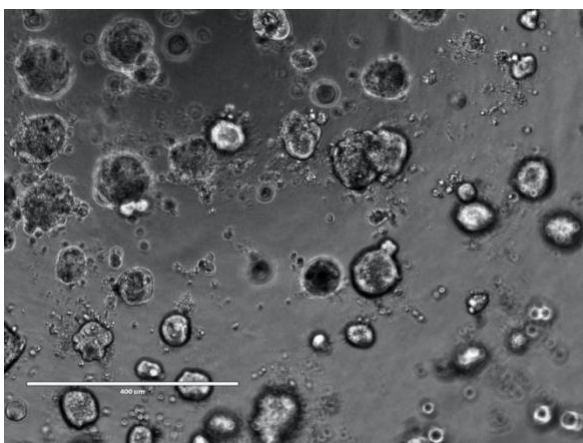
### Context

In addition to being difficult to grow and maintain, primary cells are scarce and valuable. They are recognized as high-fidelity models, and therefore deserve the best culture conditions to help answer life-saving research questions. However, current media recipes do not provide the ideal culture conditions, because they are made of undefined components. They are either prepared with conditioned medium, with commercially-sourced growth factors that are isolated from conditioned medium, or with a combination thereof. This means that current media recipes are made up of thousands of unknown growth factors that may interfere with the high-fidelity biology of those valuable primary cells

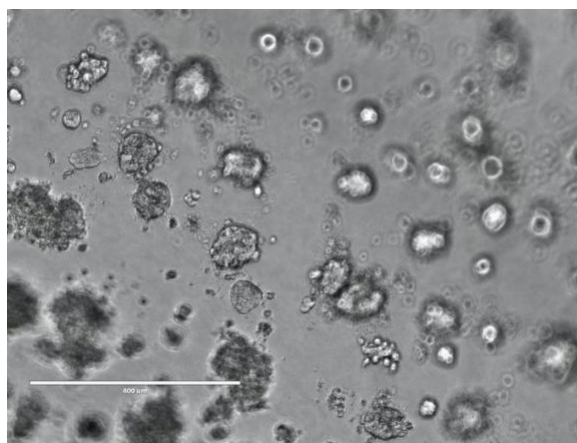
### Product Description

Saguaro's *PrimaFeed*<sup>TM</sup> media are first-of-a-kind culture media for the establishment and maintenance of primary cancer cells. *PrimaFeed* culture media help users be more confident when probing the biology of their primary cells, because their composition is chemically-defined. Neither conditioned medium, nor growth factors isolated from conditioned medium are used. This means that unlike current media recipes, *PrimaFeed* is not made up of thousands of unknown growth factors. Rather, only pure growth factors are used in the preparation of *PrimaFeed* media recipes, therefore guaranteeing the highest quality of culture medium for your valuable primary cells.

### *PrimaFeed* medium and gold standard alternative sustain similar organoid growth



*PrimaFeed breast* with primary breast cancer organoids at day 7



Gold standard, home-made medium alternative with primary breast cancer organoids at day 7

### PrimaFeed medium against current alternatives

	Home-made (gold standard)	Commercial alternatives	Saguaro <i>PrimaFeed</i> <sup>TM</sup>
Optimal cell growth	✓	✓	✓
Hassle-Free	✗	✓	✓
Reproducible (chemically-defined)	✗/✓	✗	✓
Affordable	✓	✗	✓
High-purity ingredients	✗	✗	✓

### PrimaFeed medium is ready-to-use



*Basal medium and supplement  
mixes*

#### 2-step set-up

Step 1. Thaw media kit components  
Step 2. Mix and use

### Available *PrimaFeed* media

- ✓ *PrimaFeed* Breast
- ✓ *PrimaFeed* Lung
- ✓ *PrimaFeed* Colon

## Protocol and Directions

<b>Storage</b>	Store kit at -80°C Keep 10 days at 4°C once thawed, and avoid freeze-thaw cycles
<b>Kit components</b>	<ul style="list-style-type: none"><li>✓ Basal medium (200mL)</li><li>✓ Supplement A (25uL)</li><li>✓ Supplement B (25uL)</li><li>✓ Supplement C (50uL)</li></ul>
<b>User Supplied</b>	Y-27632 (for use before passage, for primary cultures) Desired antibiotics (ex. final conc. of 50 µg/mL primocin, and/or 100 µg/mL penicillin/streptomycin)
<b>Experimental Protocol</b>	<ul style="list-style-type: none"><li>• Thaw all kit components either ~2-3 hours at room temperature, or overnight at 4°C</li><li>• Use basal medium to collect supplements in their recipients</li><li>• Combine all kit components. Make sure to mix well.</li><li>• Add desired antibiotics. Also add ROCK inhibitor (Y-27632) if necessary</li></ul>
<b>Intended use</b>	For research use only. Not for use in diagnostics or therapeutic procedures.