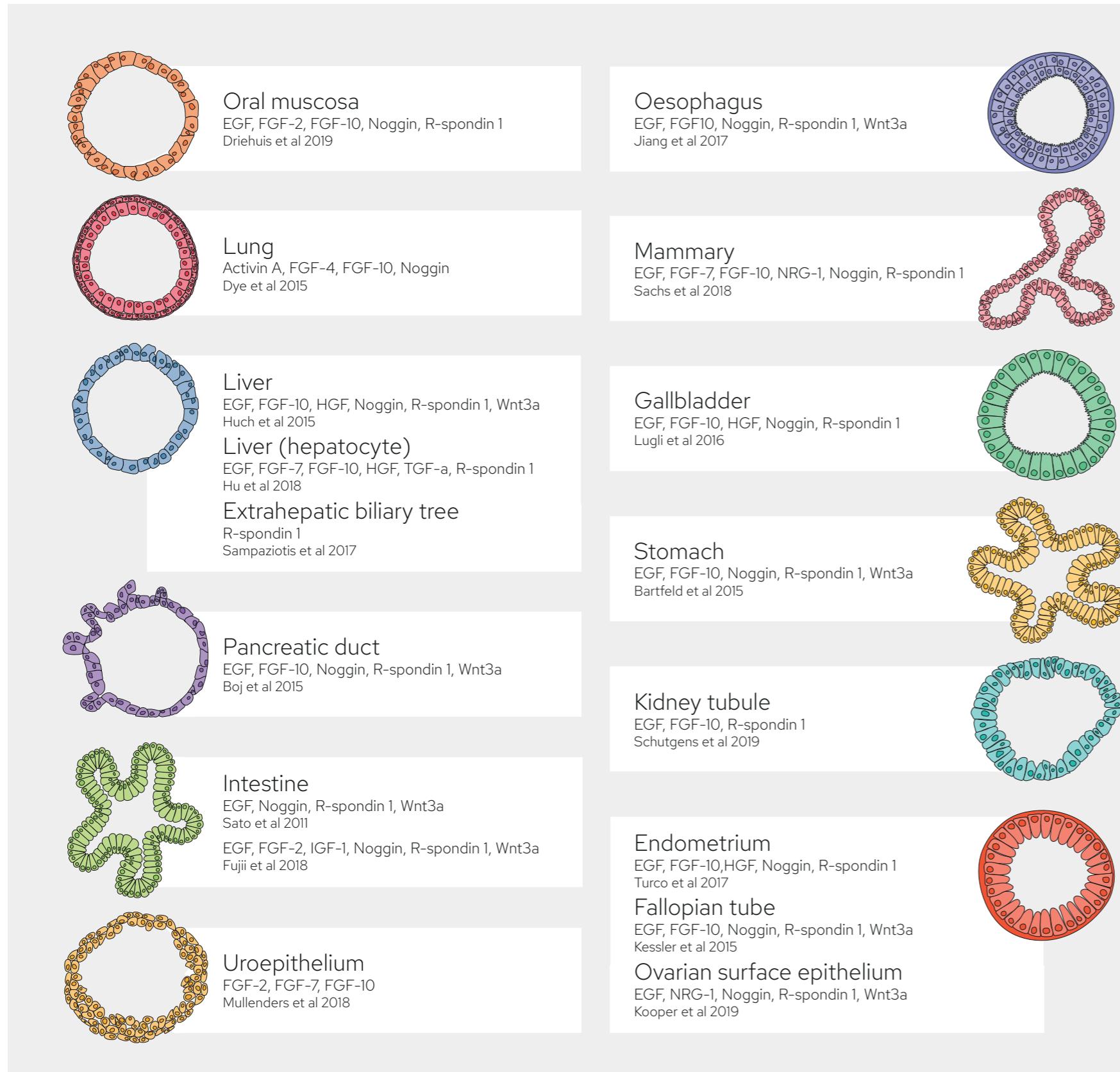


Adult stem cell derived organoids

Media recipe quick reference guide

Qkine



Three steps for choosing your growth factors

- ▶ Evidence of protein quality
 - Quantitative bioactivity data with EC50
 - Clear SDS-PAGE gel, high protein loading, good staining
 - Purity data such as mass spec, analytical reverse phase and endotoxin testing (with stringent limit <0.05. See our discussion on E.coli vs mammalian expressed growth factors)
- ▶ Good support and handling advice
- ▶ Reliable supplier, rapid delivery and complete product data

Find out more about protein quality control and growth factor selection qkine.com/choosing-growthfactors

Quick handling guide



Reconstitution calculator

$$\frac{\text{Mass in vial (\mu g)}}{1\mu\text{g} \quad 1000\mu\text{g} \quad 1\mu\text{g}} \div \frac{\text{Desired concentration (\mu g/ml)}}{1000\text{ng} \quad \text{Desired concentration (\mu g/ml)}} \times 1000 = \text{Volume to add (\mu l)}$$

How Qkine is improving growth factors for organoids

- Animal-free
Unmatched quality and reliability. All our proteins are made in a dedicated animal-free laboratory in Cambridge, UK.
- Total-transparency
Know what you're giving your cells. Stringent purity and bioactivity data for all proteins.
- Protein innovation
Solving stem cell culture challenges with optimised forms and animal-free firsts.