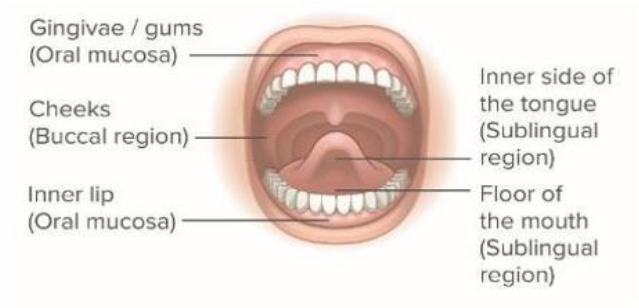
Mucofilm®

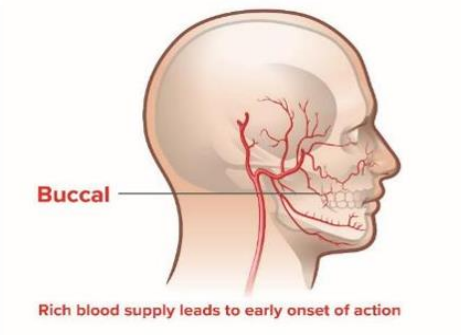
Mucoadhesive single or multilayer buccal film

Enhanced bioavailability and rapid onset of action.

Less enzymatic degradation and therefore reduced API amount to achieve therapeutic response.

Flexible formulation options for topical, sublingual or transmucosal delivery.





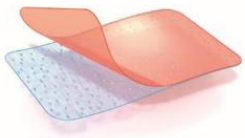
Planar dosage forms analytics

tesa Labtec has years of experience in the field of specialized analytic methods for oral film drug delivery systemspermeations.

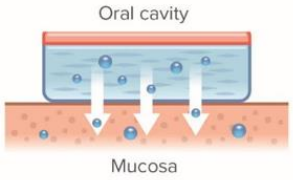
In case of the delivery of the API across or into a barrier, e.g. mucosal tissue, our experts use customized, fully automated Franz-cell chamber systems with ex-vivo porcine mucosa to answer the question of penetration and permeation.

Advantages and toolbox of Mucofilm®

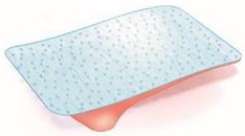
Double layer film



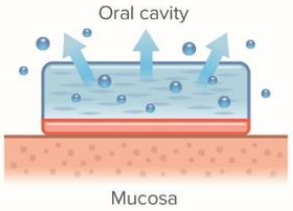
- Unidirectional route into buccal mucosa area
- Bio-compatible backing
- API containing matrix



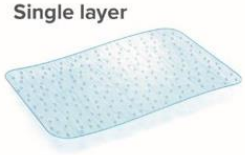
Double layer film



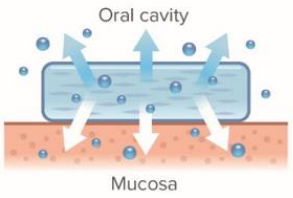
- Unidirectional route into oral cavity and for mucosal area
- API containing dissolvable matrix
- Slow dissolving mucoadhesive backing



Single layer



- Bidirectional route for sublingual / buccal application
- Bio-compatible backing
- API containing matrix



Typical excipients used for Mucofilm®

• Polymers	• Polyvinyl alcohol (PVA) • Polyvinyl pyrrolidone (PVP/Kollidon) • Cellulose and derivatives • Starch and derivatives • Polyacrylic acid (Carbopol) • Alginates
• Platicizers	• Residual water and ethanol • Glycerol • Polyethylene oxide (PEO/PEG) • Propylene glybol
• (Fillers / flavours / taste making)	
• Process temperatures	• 50 – 120°C