**Supplementary data**

**The influence of carrier oils on the antimicrobial activity and toxicity of essential oils**

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Essential oil selection based on popularity and antimicrobial activity reported in our previous study

|  |  |  |  |
| --- | --- | --- | --- |
| **Popularity** | **Noteworthy** | **Moderate** | **Poor** |
| *Cananga odorata* (ylang ylang) | *Cymbopogon citratus* (lemongrass) | *Helichrysum italicum* (immortelle) | *Cananga odorata* (ylang ylang) |
| *Cymbopogon citratus* (lemongrass) | *Laurus nobilis* (bay) | *Leptospermum scoparium* (manuka) | *Citrus bergamia* (bergamot) |
| *Eucalyptus globulus* (eucalyptus) | *Pogostemon patchouli* (patchouli) | *Melaleuca viridiflora* (niaouli) | *Citrus reticulata* (mandarin) |
| *Lavandula angustifolia* (lavender) | *Syzygium aromaticum* (clove) | *Melissa officinalis* (lemon balm) | *Kunzea ericoides* (kanuka) |
| *Melaleuca alternifolia* (tea tree) | *Vetiveria zizanioides* (vetiver) | *Styrax benzoin* (benzoin) | *Lavandula angustifolia* (lavender) |
| *Thymus vulgaris* (thyme) | *Cinnamomum zeylanicum* (cinnamon) | *Thymus vulgaris* (thyme) | *Melaleuca alternifolia* (tea tree) |
|  | *Commiphora myrrha* (myrrh) | *Eucalyptus globulus* (eucalyptus) |  |
|  | *Cymbopogon martinii* (palmarosa) |  |  |
|  | *Litsea cubeba* (may chang) |  |  |
|  | *Santalum album* (sandalwood) |  |  |

\*Antimicrobial activity as determined by Orchard et al. (2017)