# 標準版
# Standard Panel

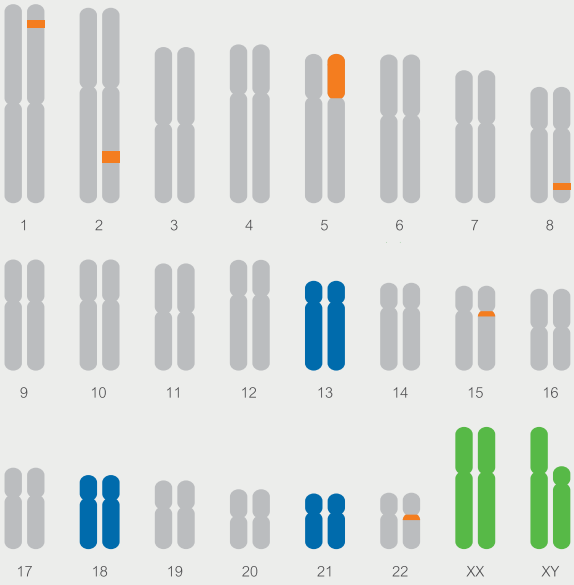
為了使服務達到國際標準[3]，我們建議媽媽選擇敏兒安 safe21 express 標準版，其所報的14項常見異常有較多數據支持。

safe21 express Standard Panel screens for 14 validated conditions. In alignment with international guidelines[3], this panel is the recommended choice for most mothers.

敏兒安 safe21 express

## 測試項目包括 Testing items include

| 3項 | 7項 | 4項 |
|---|---|---|
| 染色體三體症 Trisomies | 微缺失症候群 Microdeletion Syndromes | 性染色體相關疾病 Sex Chromosome Aneuploidies |




藍色為染色體三體症
Blue represents Trisomies

橙色為微缺失症候群
Orange represents Microdeletion Syndromes

綠色為性染色體相關疾病
Green represents Sex Chromosome Aneuploidies

## 染色體三體症 Trisomies

- T21唐氏綜合症 T21 Down Syndrome
- T18愛德華氏綜合症 T18 Edwards Syndrome
- T13巴陶氏綜合症 T13 Patau Syndrome

## 微缺失症候群 Microdeletion Syndromes

- 1p36缺失綜合症 1p36 Deletion Syndrome
- 2q33.1缺失綜合症 2q33.1 Deletion Syndrome
- 15q11.2缺失綜合症/天使綜合症 15q11.2 Deletion/ Angelman Syndrome
- 5p缺失綜合症/貓哭綜合症 5p Deletion/ Cri-du-chat Syndrome
- 22q11.2缺失綜合症/迪喬治綜合症 22q11.2 Deletion/ DiGeorge Syndrome
- 8q24.1缺失綜合症 毛髮-鼻-指骨綜合症 8q24.1 Deletion/ Langer-Giedion Syndrome
- 15q11.2 缺失綜合症/普瑞德威利綜合症/小胖威利綜合症 15q11.2 Deletion/ Prader-Willi Syndrome

## 性染色體相關疾病 Sex Chromosome Aneuploidies

- X0 X染色體單體症（特納綜合症） X0 Monosomy X (Turner Syndrome)
- XYY 三體綜合症（XYY 超雄綜合症/雅各氏綜合症） XYY Syndrome (Jacob's Syndrome)
- XXY 柯林菲特氏綜合症 XXY Klinefelter Syndrome
- XXX 三體綜合症（XXX 超雌綜合症） XXX Triple X Syndrome

*敏兒安 safe21 express 只能檢測微小至3Mb長度的微缺失及微重複，然而上述的微缺失卻有機會小於3Mb。由於部分微缺失的發生率較低，因此未獲大型數據驗證。

*Since microdeletions are rare, limited data is available for validating the detection rate of most microdeletions. Microdeletions may occur in less than 3Mb in size, safe21 express only searches for microdeletions with a minimum size of 3Mb.

# 進階版
# Advanced Panel

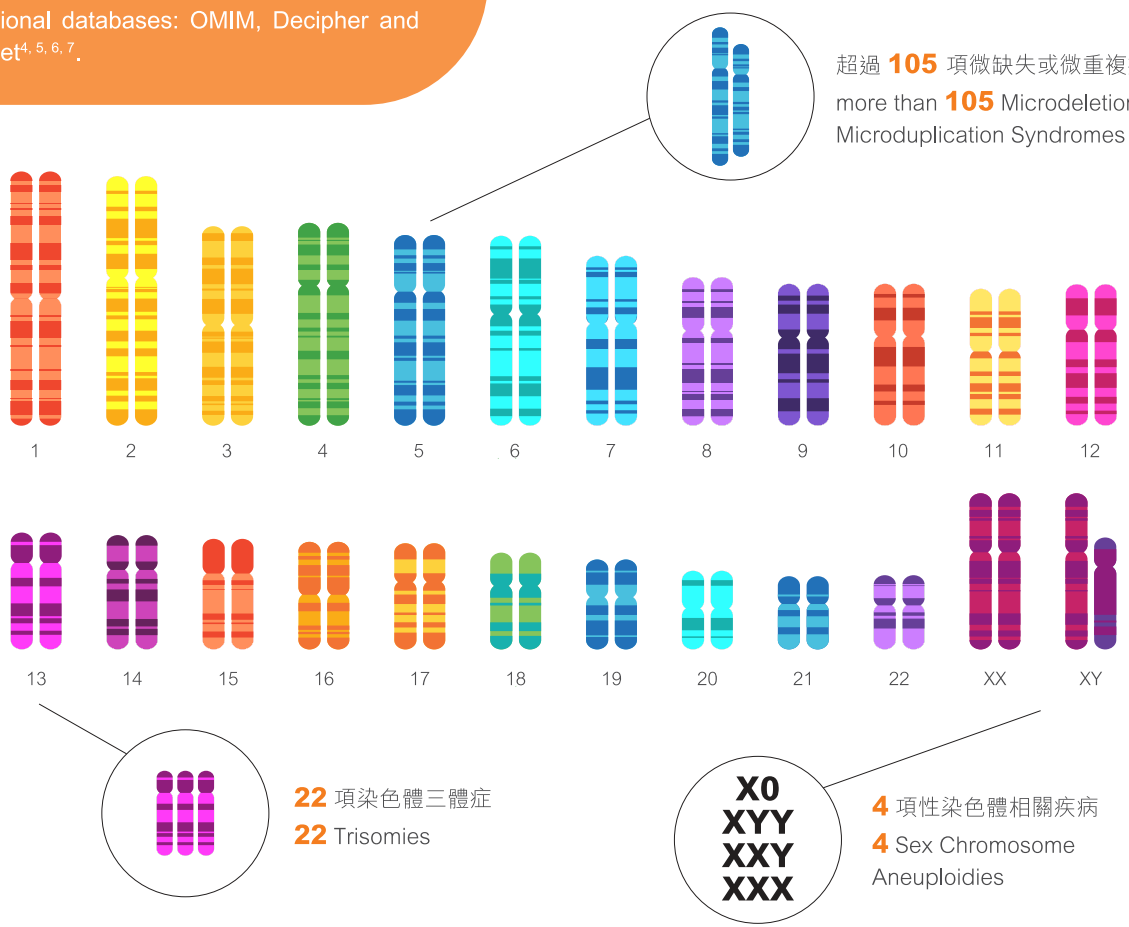
敏兒安 safe 21 express 進階版可以全面檢測到23對染色體相關疾病，包括染色體三體症及目前已在國際數據庫（OMIM, Decipher和Orphanet）中記錄的105項微小至3Mb的微缺失或微重複[4, 5, 6, 7]。

safe 21 express Advanced Panel screens for chromosomal aneuploidies of all 23 pairs of chromosomes, including trisomies and the 105 microdeletions/microduplications with a minimum size of 3Mb that has been recorded on the international databases: OMIM, Decipher and Orphanet[4, 5, 6, 7].

敏兒安 safe 21 express

## 測試項目包括 Testing items include

| **22** 項 | **105** 項 | **4** 項 |
|---|---|---|
| 染色體三體症 Trisomies | 微缺失或微重複症候群 Microdeletion/ Microduplication Syndromes | 性染色體相關疾病 Sex Chromosome Aneuploidies |




*敏兒安 safe 21 express 只能檢測微小至3Mb長度的微缺失及微重複，然而上述的微缺失卻有機會小於3Mb。由於部分微缺失的發生率較低，因此未獲大型數據驗證。

*由於進階版的檢測項目罕見及複雜，未獲大型數據驗證，因此準確率會降低。

*Since microdeletions are rare, limited data is available for validating the detection rate of most microdeletions. Microdeletions may occur in less than 3Mb in size, safe 21 express only searches for microdeletions with a minimum size of 3Mb.

*Since advanced findings are rare and complex, insufficient data for validation may lower the accuracy.